

## Day 5 90DaysOfDevOps Challenge Task

Task 1: Write a bash script create directories.sh that when the script is executed with three given arguments (one is the directory name and second is start number of directories and third is the end number of directories ) it creates a specified number of directories with a dynamic directory name.

[illegible]

COPY

COPY

```
#!/bin/bash
for ((i=$2;i<=$3;i++))
do
    mkdir $1$i
    echo $1$i
done
```

To run the script for creating directories

COPY

COPY

```
./scripts.sh Day 1 5
```

```
[cloudshell-user@ip-10-4-26-204 folder1]$ ./scripts.sh DAY 1 5
DAY1
DAY2
DAY3
DAY4
DAY5
[cloudshell-user@ip-10-4-26-204 folder1]$ ls -l
total 24
drwxrwxr-x 2 cloudshell-user cloudshell-user 4096 Nov  2 07:03 DAY1
drwxrwxr-x 2 cloudshell-user cloudshell-user 4096 Nov  2 07:03 DAY2
drwxrwxr-x 2 cloudshell-user cloudshell-user 4096 Nov  2 07:03 DAY3
drwxrwxr-x 2 cloudshell-user cloudshell-user 4096 Nov  2 07:03 DAY4
drwxrwxr-x 2 cloudshell-user cloudshell-user 4096 Nov  2 07:03 DAY5
-rwx--x--x 1 cloudshell-user cloudshell-user  67 Nov  2 07:03 scripts.sh
```

Task 2: Create a Script to back up all your work done till now.

COPY

COPY

```
#!/bin/bash
```

```
path=$1
```

```
echo "Taking Backup of all the work"
```

```
tar -czvf backup.tar.gz ${path}
```

```
echo "Back completed"
```

```
#!/bin/bash
path=$1
echo "Taking Backup of all the work"
tar -czvf backup.tar.gz ${path}
echo "Back completed"
~
~
~
```

```
[cloudshell-user@ip-10-4-26-204 folder1]$ vi backupscr.sh
[cloudshell-user@ip-10-4-26-204 folder1]$ sudo bash backupscr.sh /home/cloudshell-user/folder1
Taking Backup of all the work
tar: Removing leading `/' from member names
/home/cloudshell-user/folder1/
/home/cloudshell-user/folder1/DAY3/
/home/cloudshell-user/folder1/DAY2/
/home/cloudshell-user/folder1/DAY1/
/home/cloudshell-user/folder1/DAY5/
/home/cloudshell-user/folder1/scripts.sh
/home/cloudshell-user/folder1/DAY4/
/home/cloudshell-user/folder1/backupscr.sh
Back completed
```

COPY

COPY

```
sudo bash backupscr.sh  
/home/cloudshell-user/folder1
```

Task 3: Read About Cron and Crontab, to automate the backup Script

Job Automation:

Job automation in Linux refers to the process of automating repetitive tasks or jobs by creating scripts or using tools that can perform these tasks automatically without the need for manual intervention.

1. at command is used to execute one job at a time
2. crontab is used to execute a job multiple times

Crontab is a command which is use to automate recurring jobs or task to run automatically.

The task can be shell scripts, commands or programs which a user wants to execute periodically without manual intervention.

Each line of a crontab file represents a file which looks like the diagram below.

